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Causation

[illegible][illegible]

Universal Approximation Theorem  
Nash Embedding Theorems  
word-embedding vector space

# Axiom of Choice

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Turing Test AlphaGo dataset


AlphaGo Zero 超human AlphaGo AlphaZero MuZero

SAE level 4

ready	Alphabet/Waymo	SAE level

4. SAE level 4 Alphabet/Waymo

Reward Is Enough reward reward reward Reward

SAE level 4

Universal Approximation Theorem Nash Embedding Theorems Word-embedding Vector Space

deep learning reinforcement learning

reward

Universal Approximation Theorem selfish gene

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logical positivism   logical empiricism   Positivism   empiricism

Category Theory  
causation law  
critique

critique Critique Word-embedding Vector Space

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Peano axioms

[illegible][illegible]

causation Dirac Delta Function Strange Attractor

[illegible]

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# 1 AlphaGo 围棋人工智能

2.

**4** Axiom of Choice

Human  
Brain Project “ ” Brain Initiative

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Solyndra [arXiv](#)  
[arXiv](#)

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**A.** □□□□□□□□□□

**1.**

2.

### 3. Chaitin's constant

4.

**5.** □□□□ 1 - 4 □□□□□□□□□□□□□□□□□□□□

**B.** □□□□□□□□□□□□□□

6. relevance theory

7.

## 8. Grigori Perelman □ Poincaré conjecture □□□□□□□□□□□□□□□□□□□□□□□□□□

**9.** Demis Hassabis □ AlphaGo □ □ □ □ □ □ □ □ intuition □ □ □ □ □ □ □ □ □ □ intuition □ □ □ Demis Hassabis □ □ □ AlphaGo □ □ □ □ □ intuition □ □ □ □ □ □ □ □ AlphaGo □ □ □ □ □ □ □ □ □ □ □ □ a meta-solution to any problem □

**10.** AlphaGo 战胜 Nature 超人类表现

**C.** □□□□□□□□□□□□□□

**11.**  form

**12.**  motif

13. 如何理解“truth”和truth?truth和truth有什么区别?truth和truth有什么区别?truth和truth有什么区别?

14. 如何理解The Selfish Gene和The Immortal Gene?The Selfish Gene和The Immortal Gene有什么区别?

15. 如何理解Freeman Dyson的Birds and Frogs?birds和frogs有什么区别?birds和frogs有什么区别?birds和frogs有什么区别?

16. 如何理解Austrian School of Economics?Austrian School of Economics和Austrian School of Economics有什么区别?

17. 如何理解selfish gene?selfish gene和selfish gene有什么区别?selfish gene和selfish gene有什么区别?

D. 如何理解selfish gene?

18. 如何理解selfish gene?selfish gene和selfish gene有什么区别?

19. 如何理解selfish gene?selfish gene和selfish gene有什么区别?

20. 如何理解“truth”和truth?truth和truth有什么区别?truth和truth有什么区别?truth和truth有什么区别?

21. 如何理解Turing Machine?Turing Machine和Turing Machine有什么区别?Turing Machine和Turing Machine有什么区别?

22. 如何理解Turing Test?Turing Test和Turing Test有什么区别?Turing Test和Turing Test有什么区别?

23. 如何理解word-embedding vector space?word-embedding vector space和word-embedding vector space有什么区别?

24. 如何理解deep-learning?deep-learning和deep-learning有什么区别?deep-learning和deep-learning有什么区别?

25. 如何理解Universal Approximation Theorem?Universal Approximation Theorem和Universal Approximation Theorem有什么区别?

26. 如何理解reward?reward和reward有什么区别?reward和reward有什么区别?

27. 如何理解selfish gene?selfish gene和selfish gene有什么区别?selfish gene和selfish gene有什么区别?

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**28.** \_\_\_\_\_  
\_\_\_\_\_

**E.** \_\_\_\_\_:

**29.** \_\_\_\_\_ O.J.Simpson \_\_\_\_\_  
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**30.** \_\_\_\_\_ reward \_\_\_\_\_

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\_\_\_\_\_ Freeman Dyson \_\_\_\_\_  
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\_\_\_\_\_ AlphaGo \_\_\_\_\_ Nature \_\_\_\_\_  
\_\_\_\_\_ SAE level 5 \_\_\_\_\_ SAE level 4 \_\_\_\_\_

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\_\_\_\_\_ The Selfish Gene \_\_\_\_\_

**Freeman Dyson** **a great bird frog**

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causation

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Softbank   Aldebaran Robotics   Pepper   Google X   Softbank   Hyundai   Boston Dynamics

Passion 🌶️🌶️Pepper 🌶️🌶️🌶️🌶️🌶️🌶️🌶️🌶️🌶️🌶️🌶️🌶️🌶️🌶️🌶️🌶️🌶️🌶️🌶️  
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context [REDACTED] game [REDACTED]
regulated [REDACTED]

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[illegible]

passion

[illegible]

# □□□□□□□□□□ Causation □ metaphysics

Demis Hassabis of Deepmind potentially a meta-solution to any problem

A meta-solution to any problem>>>> metaphysics>>>[Stanford Encyclopedia of](#)

Philosophy    metaphysics    “The word ‘metaphysics’ is notoriously hard to define.”    Deepmind    metaphysics    a meta-solution to any problem

physics metaphysics  
metaphysics Deepmind a meta-  
solution

Deepmind

Deepmind

Stanford Encyclopedia of Philosophy [Regularity and Inferential Theories of Causation](#) [metaphysics](#) [metaphysics](#) [Stanford University](#) [The Metaphysics Research Lab](#) [Stanford Encyclopedia of Philosophy](#) [lab](#) [lab](#) [metaphysics](#)

[Stanford Encyclopedia of Philosophy](#) [metaphysics](#) [metaphysics](#)

[[ metaphysics | [[metaphysics]]]] “[[metaphysics]]” [[metaphysics]] • [[metaphysics]] metaphysics [[metaphysics]] • [[metaphysics]] [[metaphysics]]

Stanford Encyclopedia of Philosophy – Regularity and Inferential Theories of Causation – premise, context, set, maximize – causation

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context context context

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Avi Loeb

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Avi Loeb  Scientific American  A B C D  civilization  A civilization  civization  Creator  civilization  Avi Loeb

Avi Loeb says civilization could be independent of its host star. B says independent of its host star when the sun will die.

**B civilization**

